

# TEAC

## SERVICE MANUAL

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# A-H500i

## Integrated Stereo Amplifier

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### NOTES

- PC boards shown are viewed from parts side.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- $\triangle$  Parts marked with this sign are safety critical components.  
They must be replaced with identical components- refer to the appropriate parts list and ensure exact replacement.
- Parts of [ ] mark can be used only with the version designated.  
[J] : JAPAN [US] : U.S.A. [C] : CANADA  
[E] : EUROPE [UK] : U.K. [GE] : GENERAL EXPORT

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## Specifications

Power output	: 50W + 50W (8Ω, 1KHz, 0.1%)	Frequency response	: 5Hz to 80KHz
Total harmonic distortion	: 0.03% (45W, 1KHz, 8Ω)	Tone control	
		Bass	: ± 10dB (100Hz)
		Treble	: ± 10dB (10KHz)
S/N Ratio (Input Short)		Required speaker impedance	
Phono	: 67dB (IHF-A)		: 4Ω to 16Ω
CD, Tuner, Aux, Tape	: 95dB (IHF-A)	Power consumption	: 120W [J] : 360W [EUR]
CD direct	: 100dB (IHF-A)	Power requiremnts	: AC 100V, 50~60Hz [J] : AC 230V, 50Hz [EUR]
Input Sensitivity/ Impedance		Dimensions (W×H×D)	: 285×131×329mm
Phono(MM)	: 2.8mV/10KΩ	Weight(net)	: 6.9Kg
CD, Tuner, Aux, Tape	: 180mV/10KΩ		
Maximun Input level		<b>Standard accessories</b>	
Phono	: 130mV	Remote control unit	: 1
CD, Tuner, Aux, Tape	: 9V	Operator's manual	: 1
Channel Separation(Input Short)	: 65dB (1KHz, 1W, D.B.F)		
Residual noise	: 0.5mV		

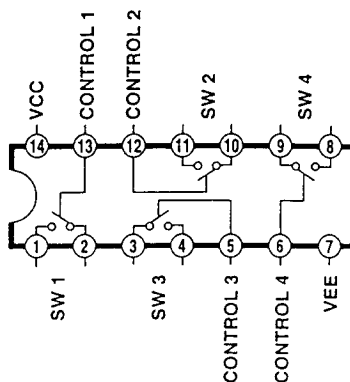
- Improvements may result in specifications and features changing without notice.
- Illustrations may differ slightly from production models.

# IC FUNCTION (MI-COM BVIANAM 1187A)

Pin No.	PIN NAME	I/O	DESCRIPTION
1	FUNC MUTE	O	Function, Mute ON/OFF Output
2	-20dB MUTE	O	-20dB Mute ON/OFF Output
3	POWER MUTE	O	Power Mute Output
4	SOURCE REC, OUT	O	Source recoding Output
5	OPTION	I	Option port "HIGH" LEVEL
6	OPTION	I	
7	PROTECT IN	I	Protect Input
8	STBY	O	Stand by LED ON/OFF Output
9	POWER ON/OFF	O	Power ON/OFF Output
10	AUX	O	Function LED ON/OFF Output
11	PHONO	O	Function LED ON/OFF Output
12	N/C		Non connection
13	TUNER		
14	CD	O	Function LED ON/OFF Output
15	TAPE 1		
16	TAPE 2/MD		
17	Vss	I	GROUND
18, 19	N/C	I	Non connection
20	RESET	I	Device reset pluse input
21	XL 1	O	Crystal element connection terminal
22	XL 2	I	
23	TAPE 2 → 1	O	TAPE1,2 Recording Output
24	TAPE 2 → 1		
25, 26	KEY OUT	O	Key matrix signal IN/OUT PORT
27, 28	KEY IN	I	
29	TAPE2 REC IN	I	TAPE2,1 Recording Input
30	TAPE1 REC IN	I	
31	SOURCE REC, OUT	O	Source recoding Output
32, 34	N/C		Non connection
33	FUNC DOWN	I	Function UP/DOWN Input
35	FUNC UP	I	
36	BUS IN	I	System control signal Input
37	REMOTE IN	I	Remote control signal Input
38	N/C		Non connection
39	VDD	I	+5V
40	BUS OUT	O	System control signal Output
41	N/C		Non connection
42	VR UP	O	Volume UP/DOWN Output
43	VR DOWN	O	
44	CD DIRECT	O	CD Direct led ON/OFF Output

# IC BLOCK DIAGRAM

LC4966BH



TO-92L



1. Emitter  
2. Collector  
3. Base

KSA1175Y  
KSD1021Y  
KSR1206  
KSR1210

KSAC2785Y  
KSB811Y  
KSR2206

TO-92

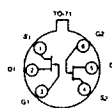


1. Emitter  
2. Collector  
3. Base

KTC2878BT  
2SA1268GR  
2SAC3200GR

KTC3198Y  
KTA1266Y

TO-71



1. G: Gate  
2. D: Drain  
3. S: Source

KTk117Y  
2N5566

TO-92L



1. Emitter  
2. Collector  
3. Base

KSA916Y  
KSC2316Y

TO-126



1. Emitter  
2. Collector  
3. Base

2SA1209S

2SC2911S

TO-220



1. Base  
2. Collector  
3. Emitter

2SC4883A  
2SD1585L

2SA1859A  
KSD288Y

TO-220



1. INPUT  
2. GND  
3. OUTPUT

MC7812C

TO-3P



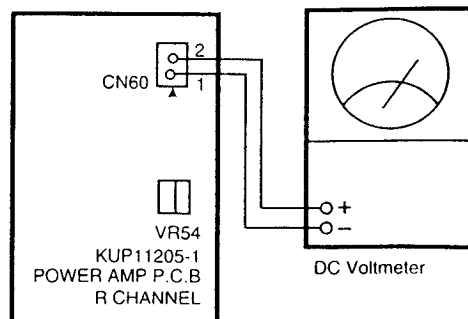
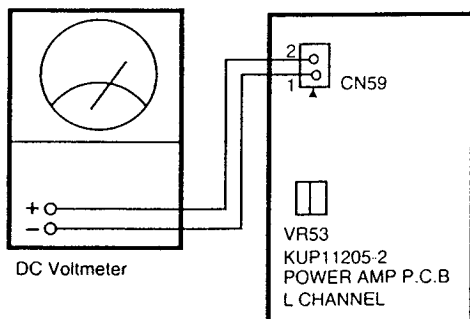
1. Base  
2. Collector  
3. Emitter

2SC4467

2SA1694

## BIAS CURRENT ADJUSTMENT

1. Test equlment connection is shown in figure.
2. Place unit volume is minimum position.
3. Adjust VR53("L"CH), VR54("R"CH) so that the DC Voltage is 11mV.



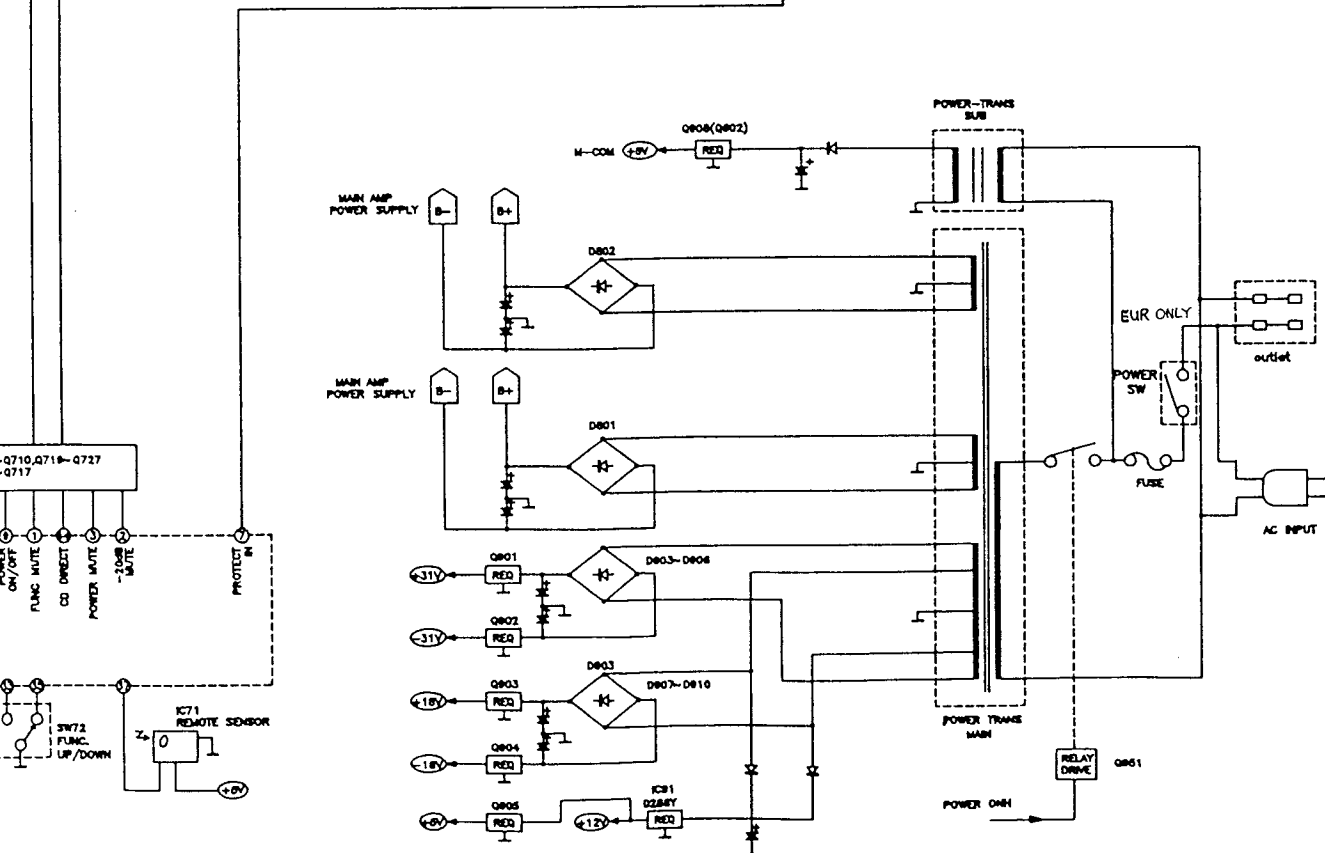
## 5



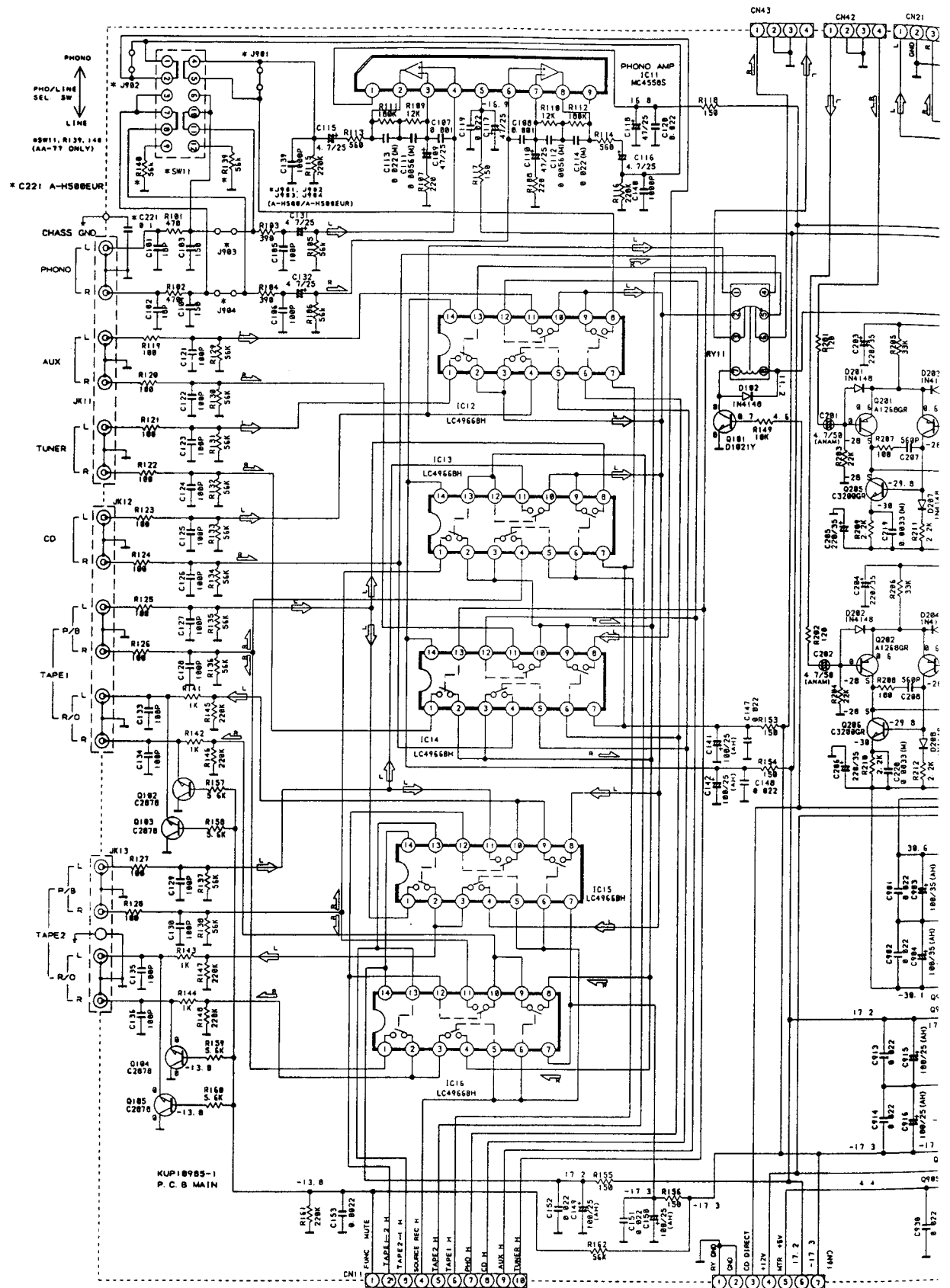


The diagram illustrates a complex electronic circuit for a stereo system. Key components and sections include:

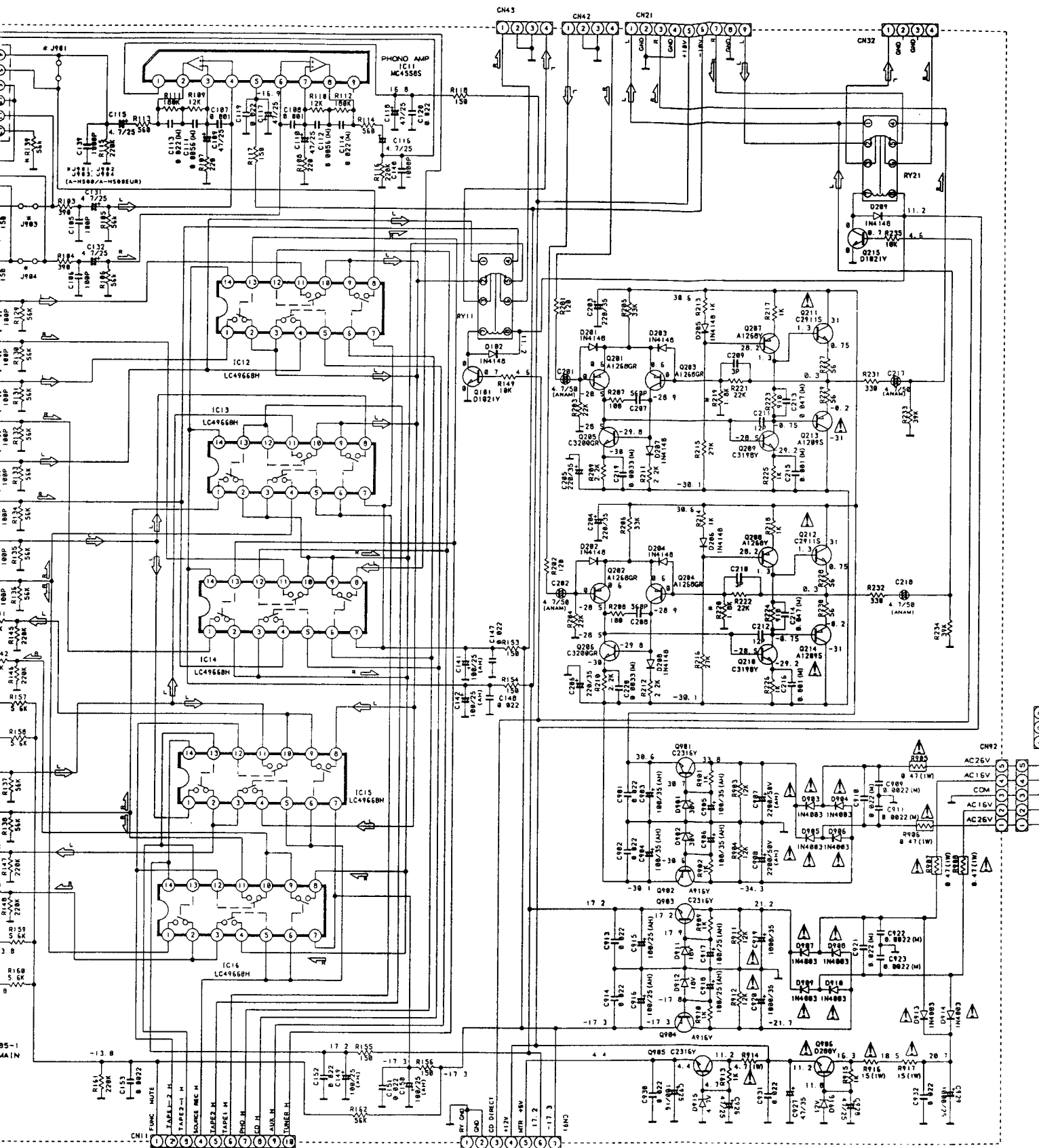
- Input Section:** Features five 12-pin connectors (IC12, IC13, IC14, IC15, IC16) for Tuner H, Phono H, and Tape H inputs. These are connected to a series of relays (RY11, RY21) and drivers (Q101, Q218).
- Control Section:** Includes a central 'CONTROL BUS' and a 'CONTROL BUFFER' (Q705-Q710, Q715-Q727). It manages various control lines such as 'FUNC MUTE', 'POWER ON/OFF', 'CD DIRECT', and 'POWER MUTE'.
- Amplification and Processing:** The signal path involves multiple amplifiers (Q201-Q213, Q202-Q214) and control lines (VR31, VR32, VR33, VR34) for functions like 'TREBLE CONTROL' and 'BASS CONTROL'.
- Output and Power:** The circuit concludes with a 'KEY MATRIX' (Q724) and a 'REMOTE SENSOR' (Q721). Power is supplied by a 'MAIN AMP POWER SUPPLY' (Q801, Q802, Q803, Q804, Q805) with various voltage levels (+31V, -31V, +18V, -18V, +9V, -9V).

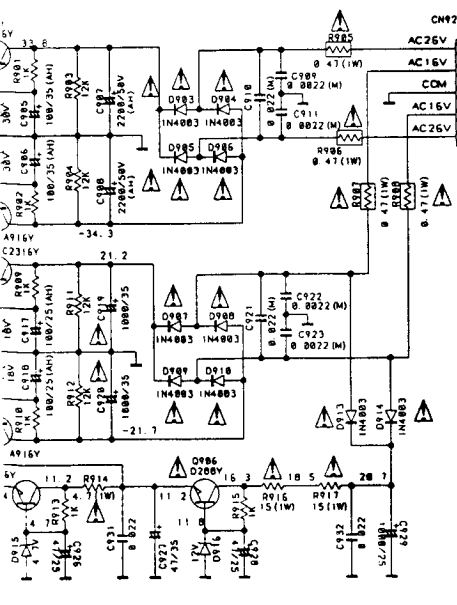
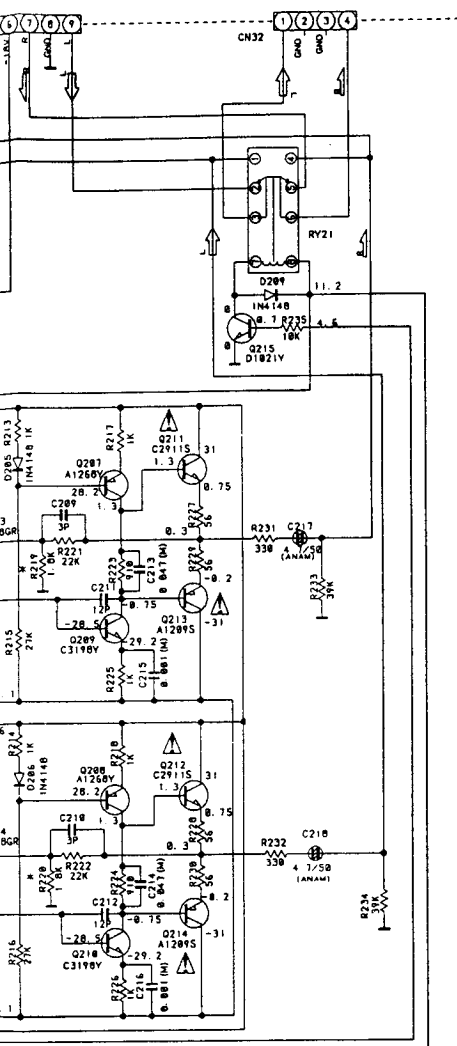


# SCHEMATIC DIAGRAM



# DIAGRAM





# \* IMPORTANT SAFETY NOTICE \*

COMPONENTS IDENTIFIED BY  MARK HAVE SPECIAL CHARACTERISTICS. IMPORTANT FOR SAFETY, WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY MANUFACTURER'S SPECIFIED PART.

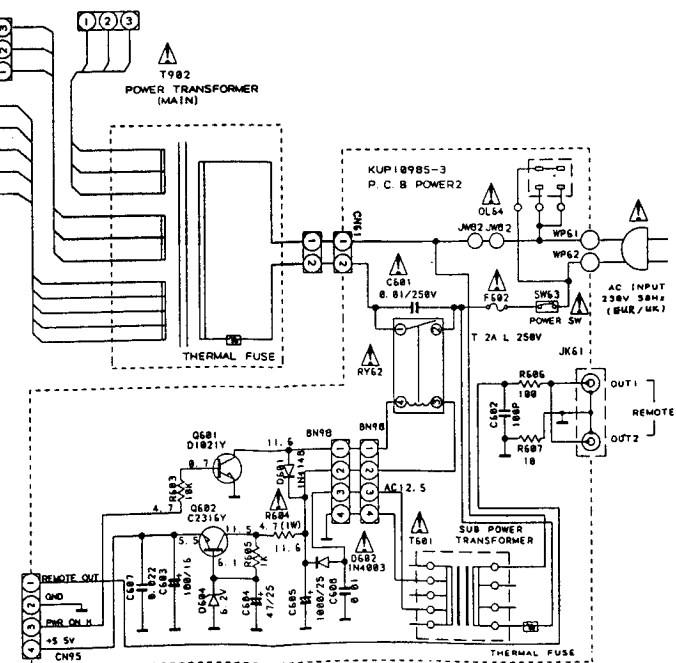
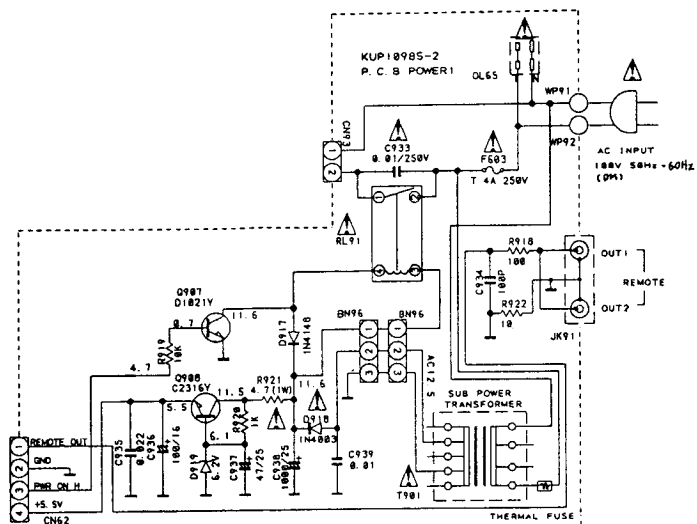
\* THE UNIT OF RESISTANCE IS OHM, K=1000 OHM, M=1000 KOHM.

\* THE CAPACITANCE IS MICROFARAD  $\mu$ =PICO FARAD

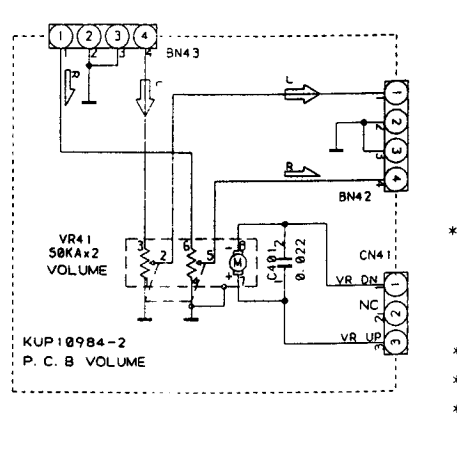
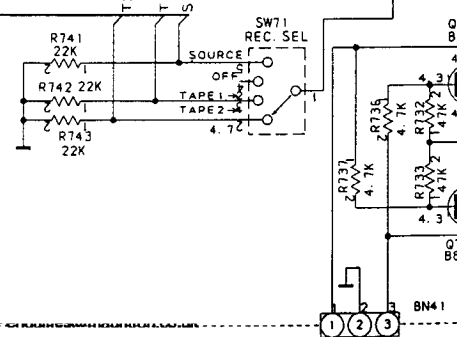
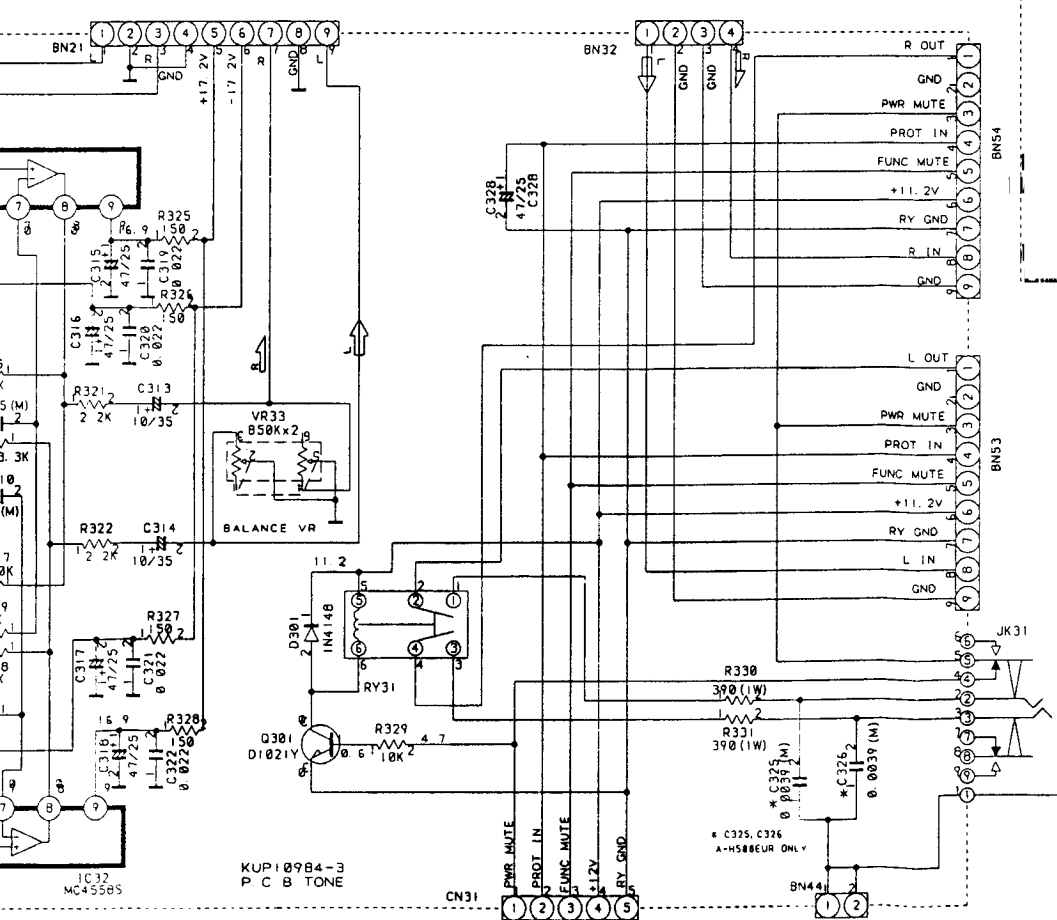
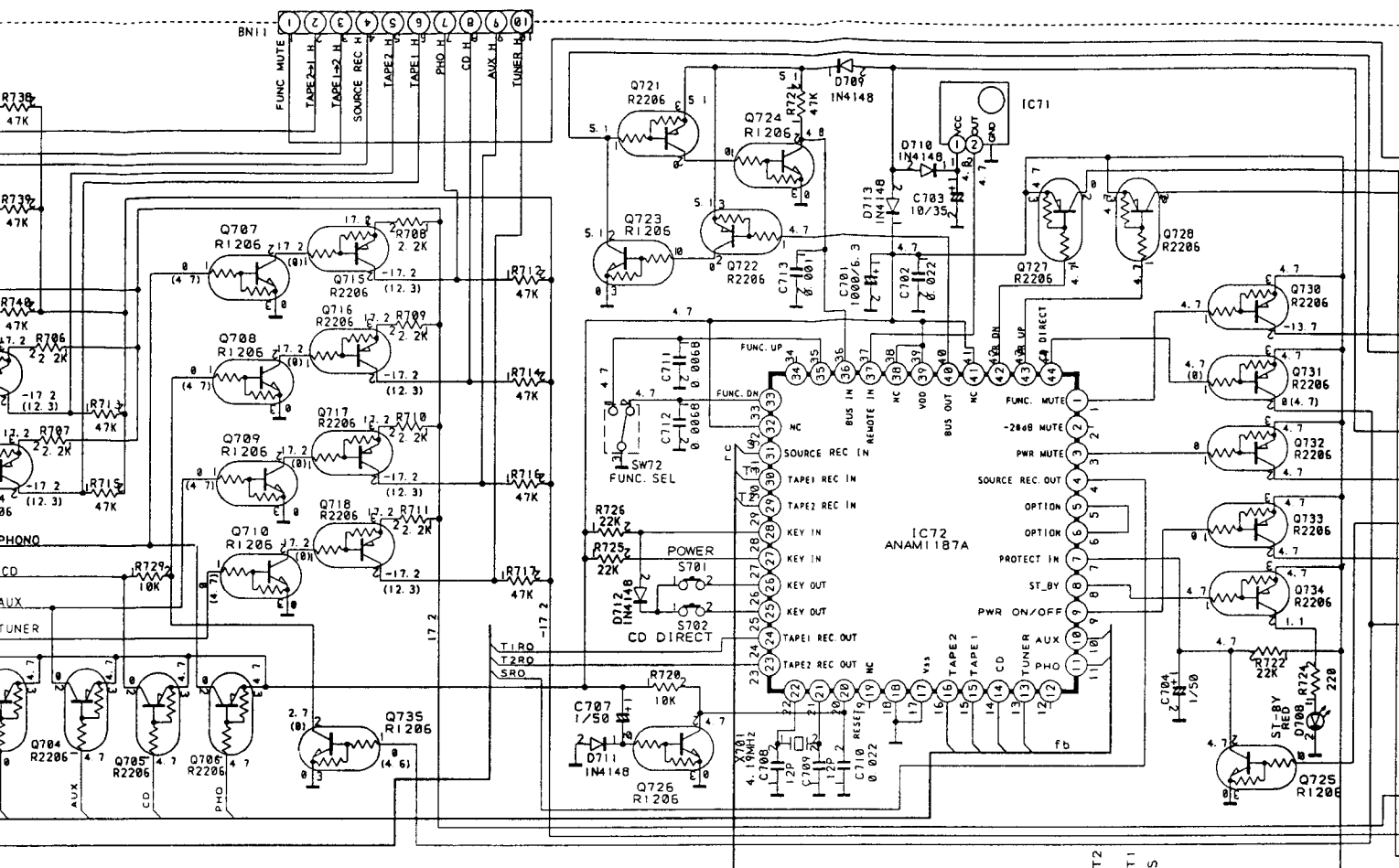
\* THIS SCHEMATIC DIAGRAM MAY BE MODIFIED AT ANY TIME WITH THE IMPROVEMENT OF PERFORMANCE.

\* ALL VOLTAGE ARE MEASURED WITH GROUND.

DC VALUES WITH NO SIGNAL  
AC RMS



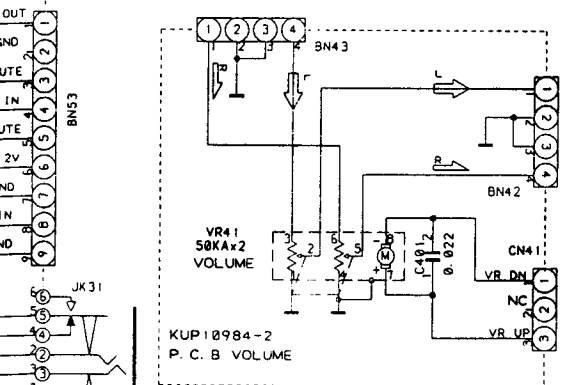
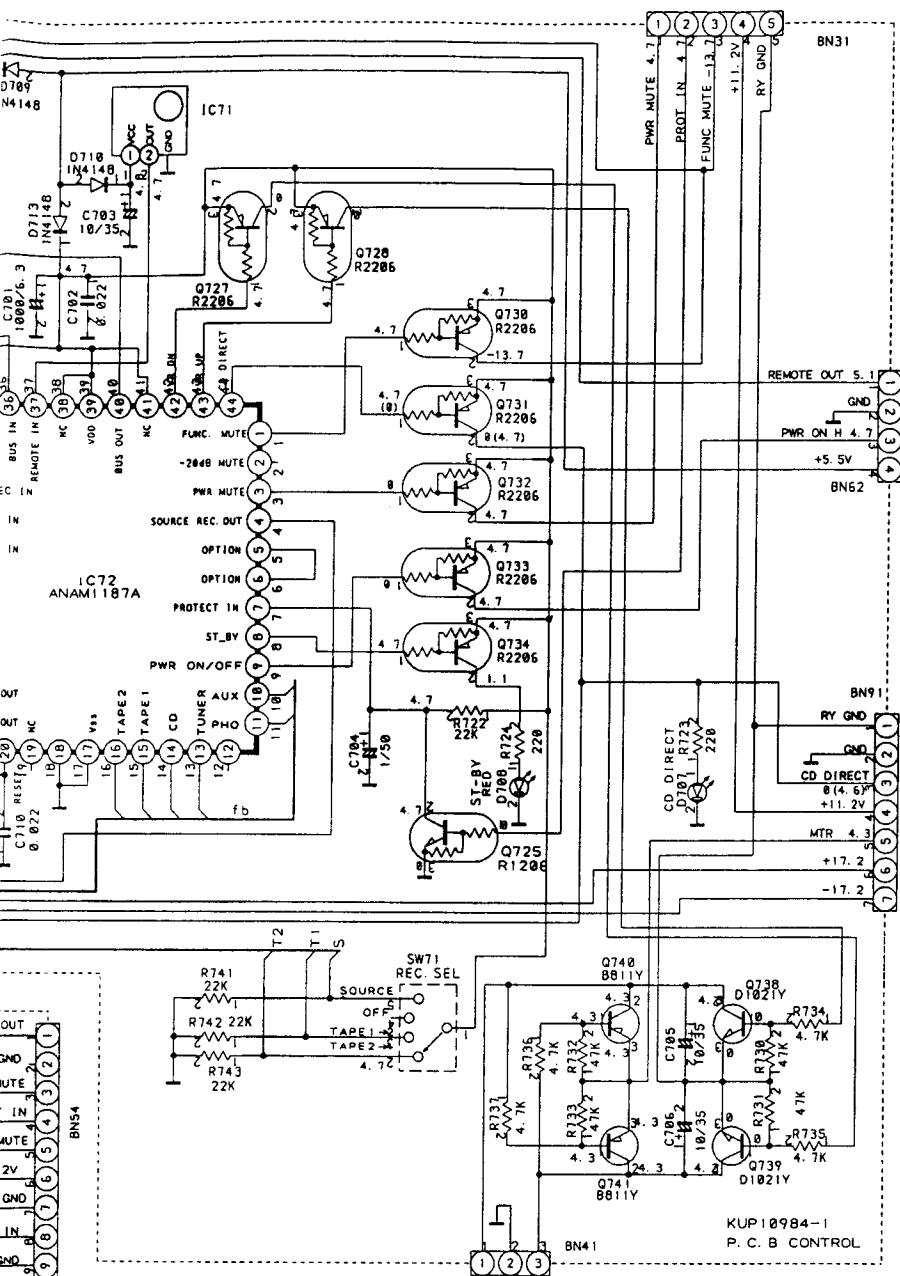




KUP10984-3 P.C.B. TONE

KUP10984-2 P.C.B. VOLUME

\* C325, C326 A-H580EUR ONLY



**\* IMPORTANT SAEFTY NOTICE :**

COMPONENTS IDENTIFIED BY  MARK HAVE SPECIAL CHARACTERISTIC IMPORTANT FOR SAEFTY, WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY MANUFACTURER'S SPECIFIED PART.

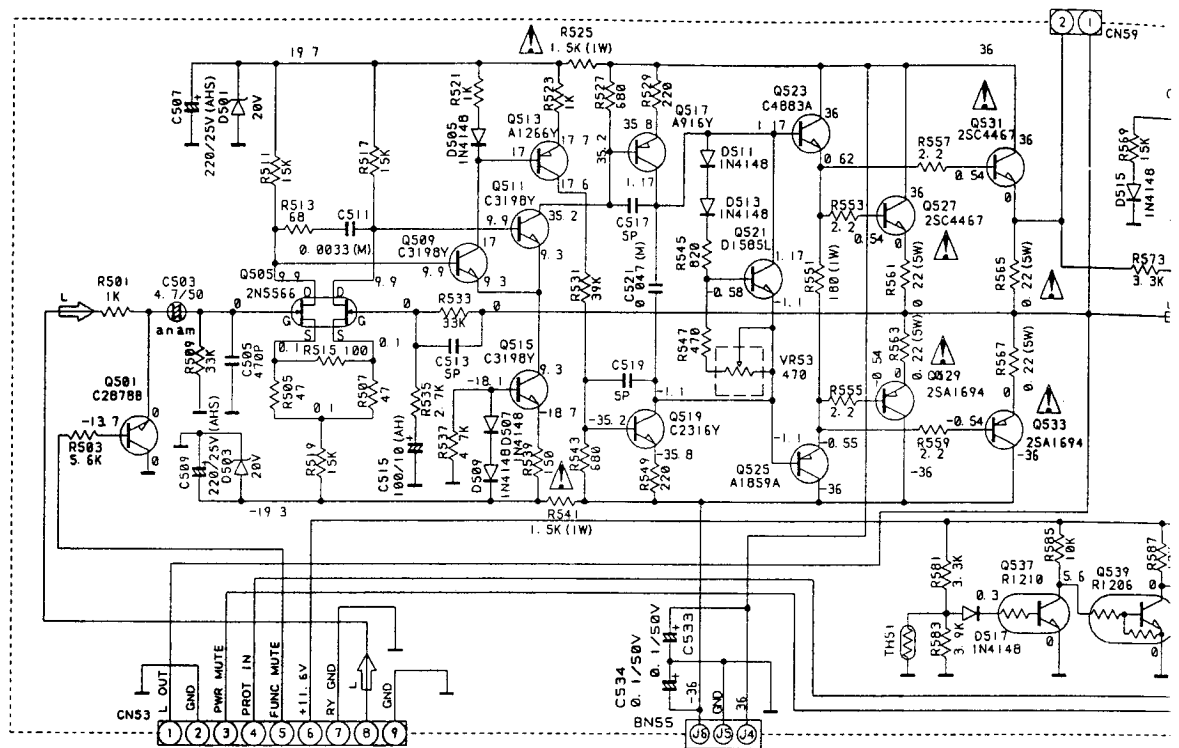
\* THE UNIT OF RESISTANCE IS OHM, K=1000 OHM, M=1000 KOHM.

\* THE CAPACITANCE IS MICROFARAD P=PICO FARAD

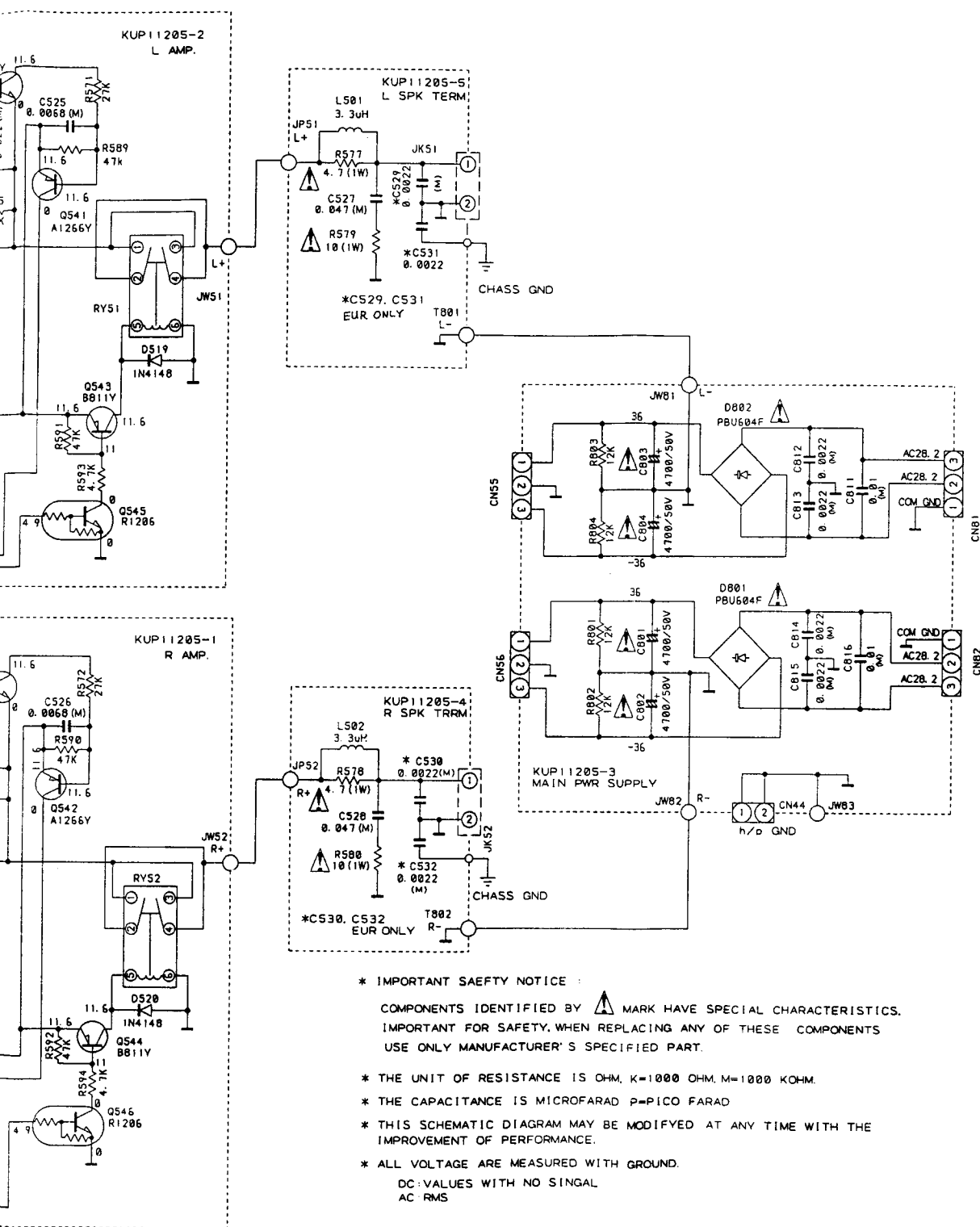
\* THIS SCHEMATIC DIAGRAM MAY BE MODIFIED AT ANY TIME WITH THE IMPROVEMENT OF PERFORMANCE

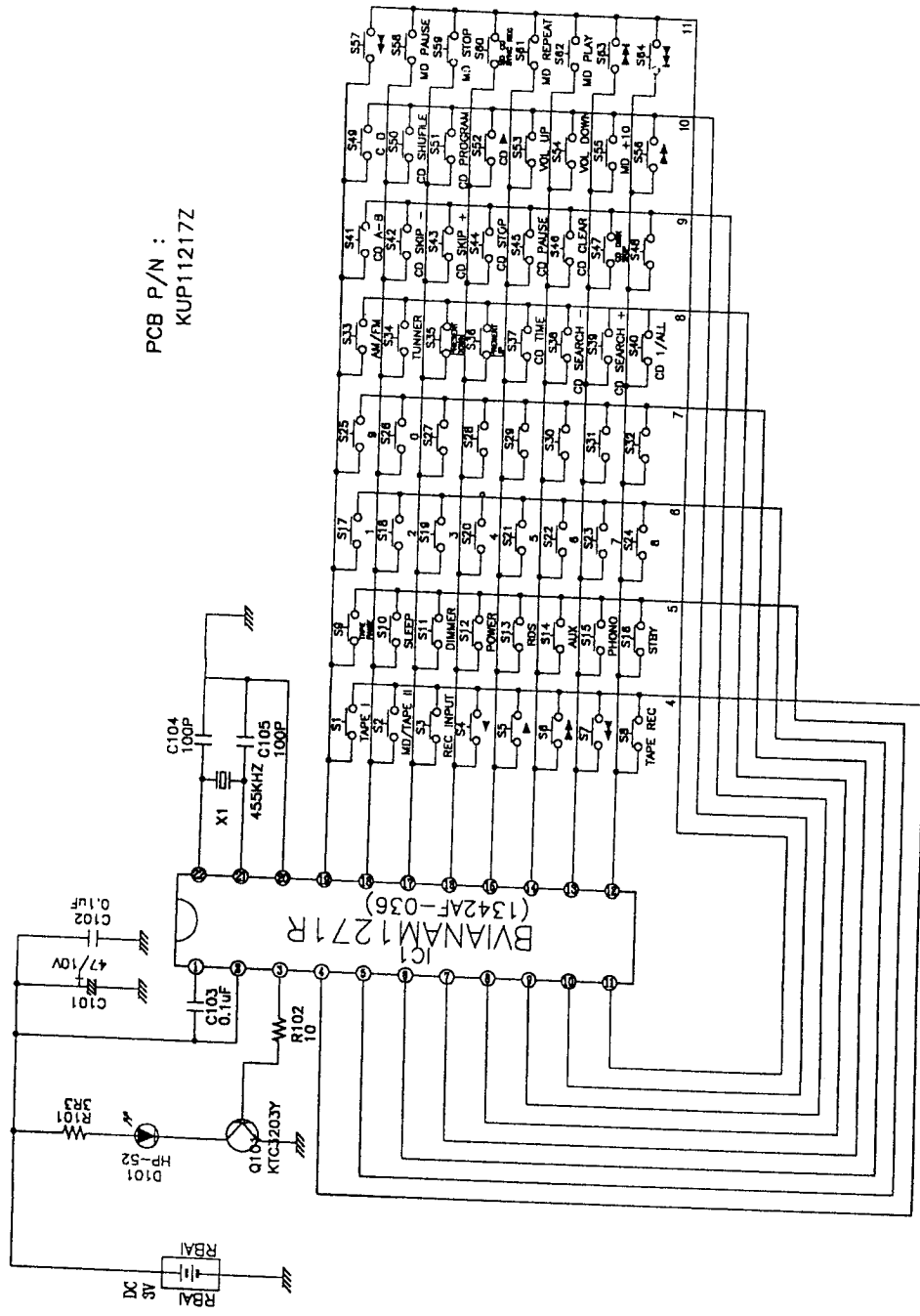
\* ALL VOLTAGE ARE MEASURED WITH GROUND.

DC VALUES WITH NO SINGAL, NORMAL VOLTAGE ( ) VOLTAGE IS ACTIVE VOLTAGE.

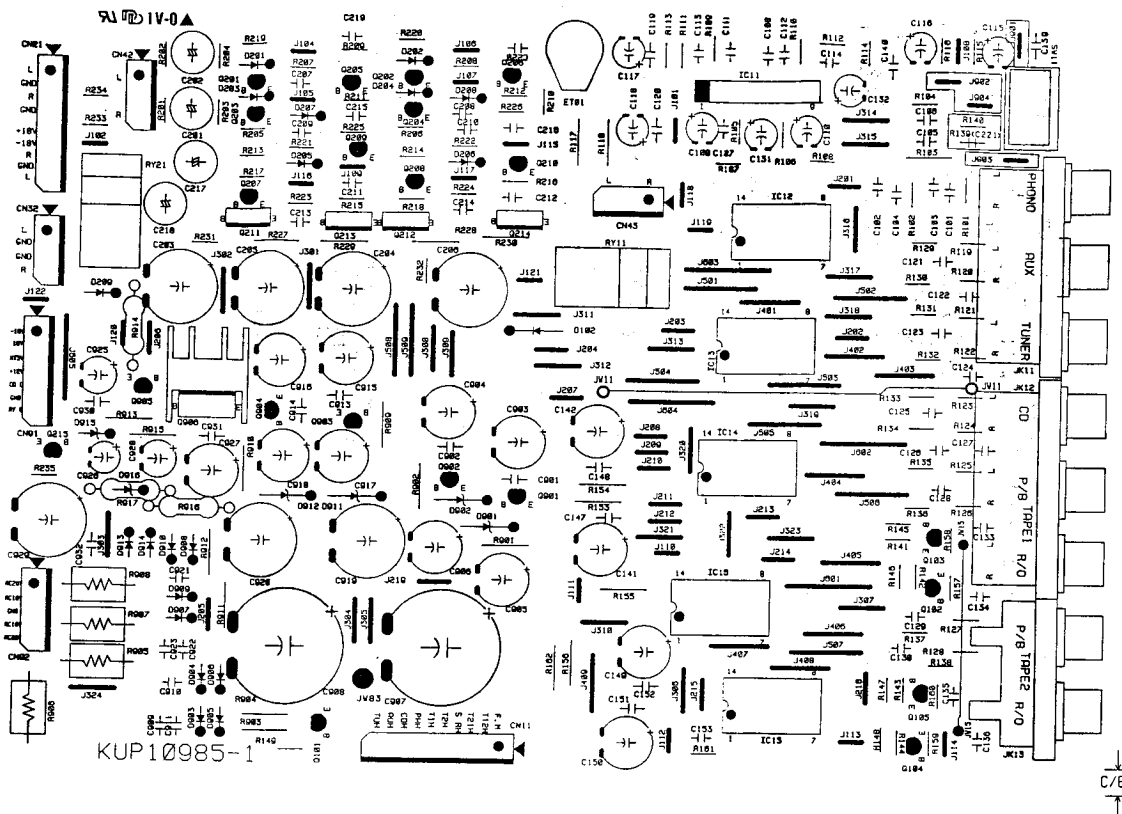
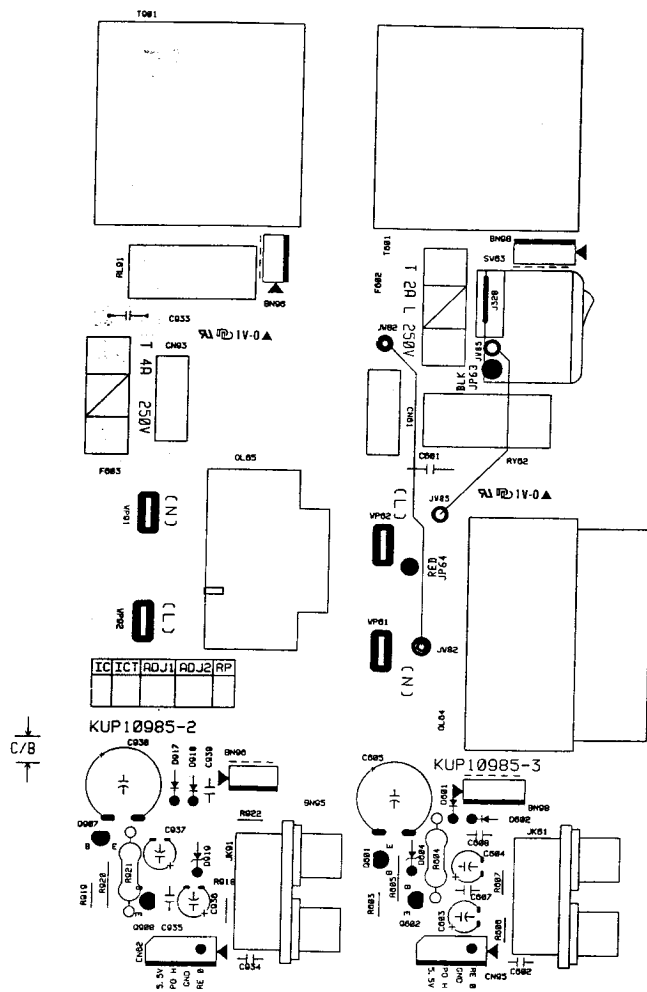








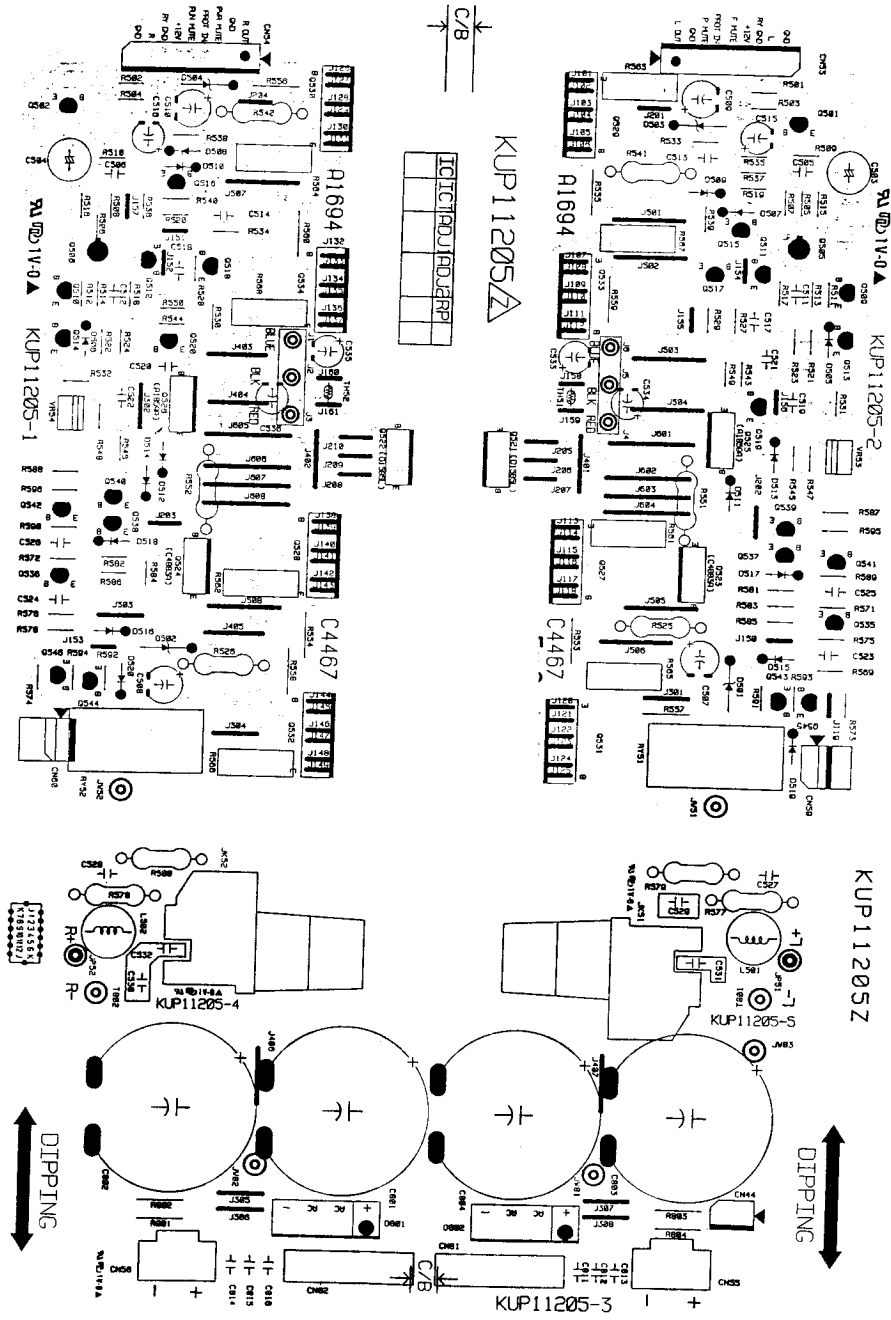
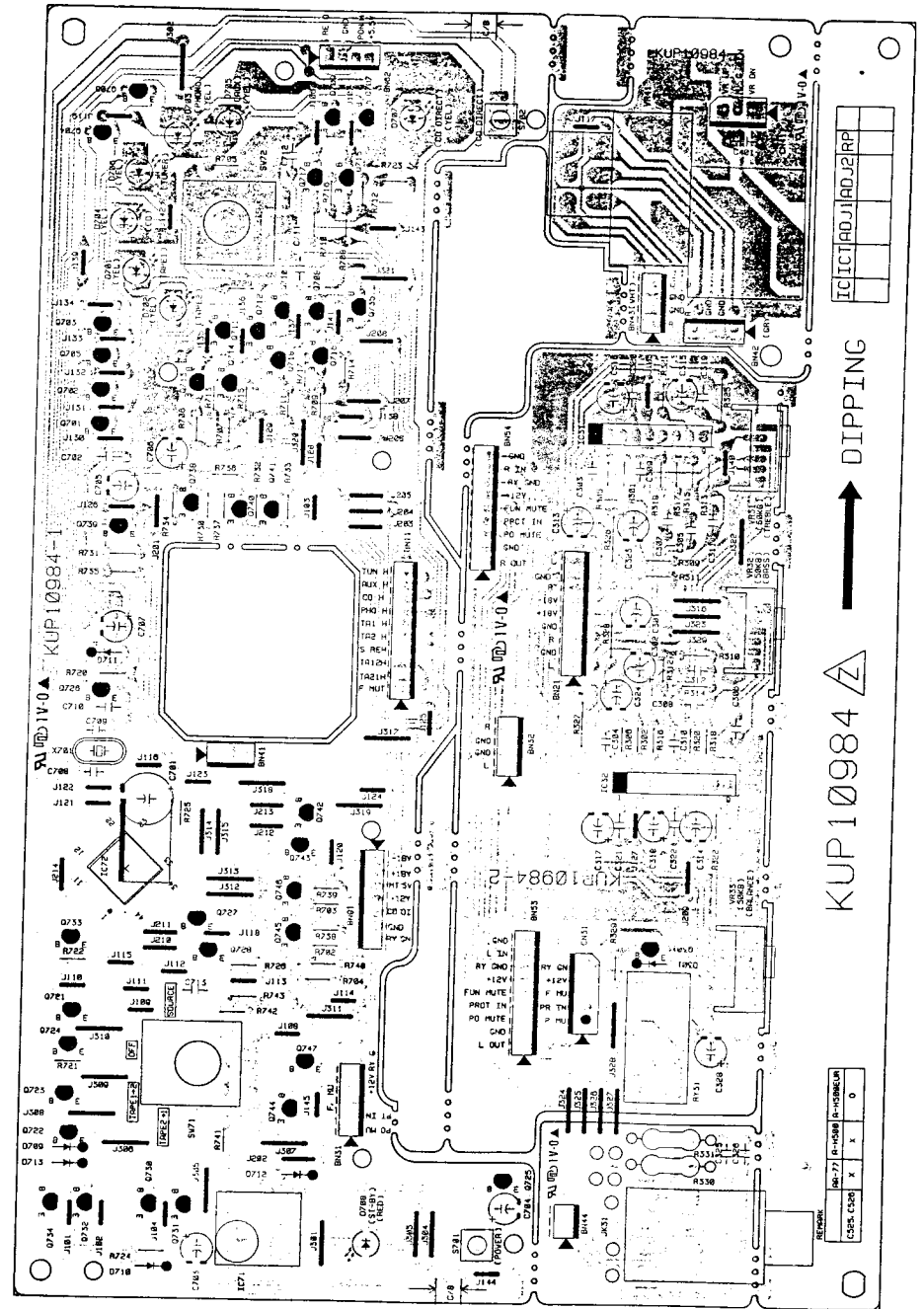
# PRINTED CIRCUIT BOARDS



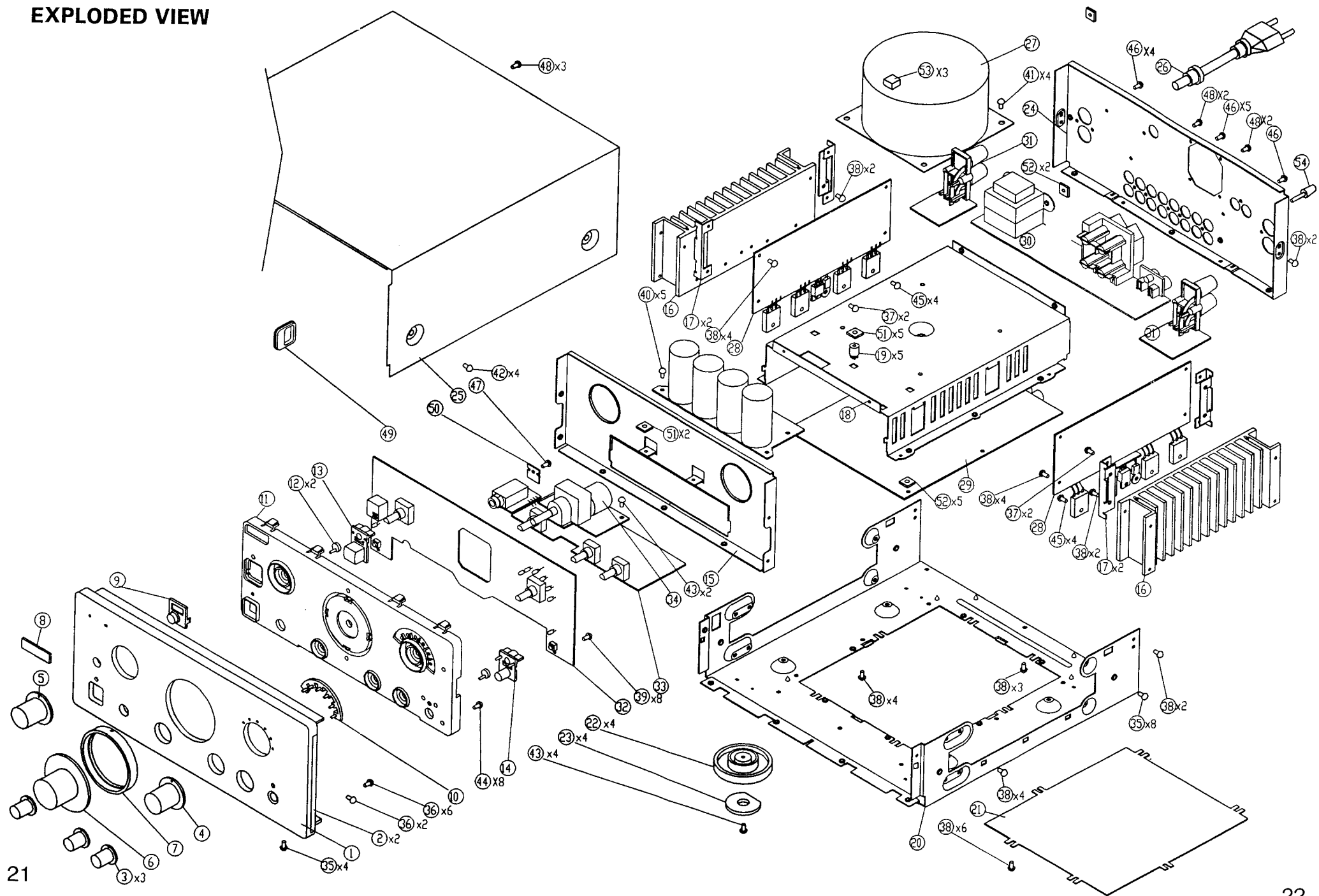
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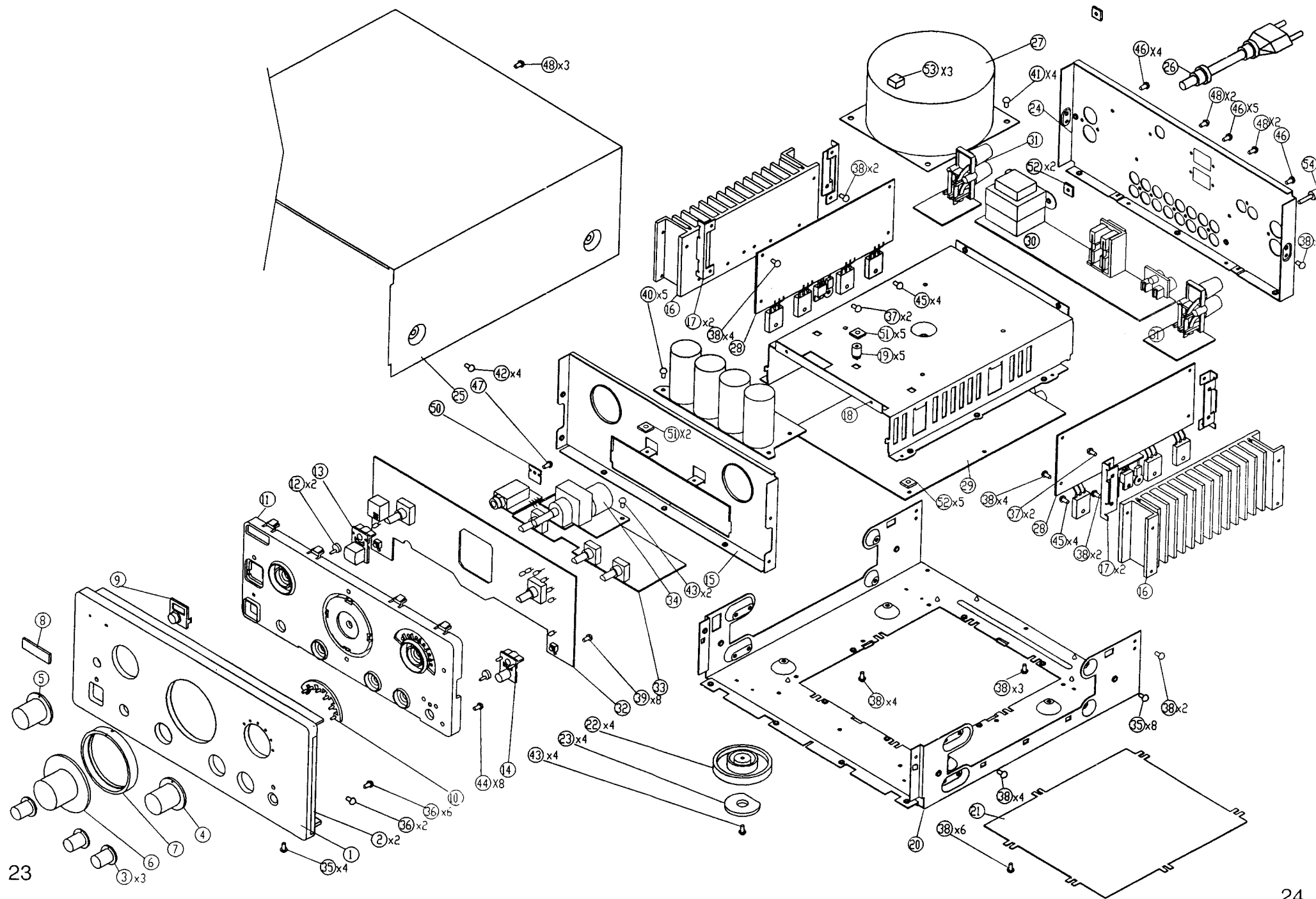
↔  
KUP10985Y

DIPPING



# EXPLODED VIEW





## EXPLODED VIEW

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
1	9A07241300	PANEL , AL	KKM1A052WC11
2	9A06677600	SIDE BAR	KKM1A062C11
3	9A06228400	VOLUME CAP ASS'Y (C)	KGX1A218ZA
4	9A06228300	VOLUME CAP ASS'Y (B)	KGX1A217ZA
5	9A06228800	VOLUME CAP ASS'Y	KGX2A217ZA
6	9A06228100	VOLUME CAP ASS'Y (A)	KGX1A216ZA
7	9A06228600	HOUSING , VOLUME	KGX1A219C12
8	9A06224200	BADGE,TEAC	BGB1A047
9	9A06863500	WINDOW,SENSOR	KGU2A155
10	9A06863400	INDICATOR,FUNCTION	KGL3A121
11	9A06319300	PANEL , MOLD	KGW1A178ZK64
12	9A07301300	INDICATOR,POWER	KGL2A120
13	9A07301200	KNOB , POWER	KBT2A387ZK64
14	9A06319200	KNOB , TACT	KBT1A388ZK64
15	9A06235100	CHASSIS , FRONT	KUF1A020
16	9A06232300	HEAT SINK	KMY1A111
17	9A06232100	BRACKET , HEAT SINK	KMD1A327
18	9A06232200	SUPPORT , TRANS	KMD1A328
19	9A06229100	MOUNT , PCB A4-92-1728	KHE1A023
20	9A06234900	CHASSIS , BOTTOM	KUA1A135
21	9A06235000	PLATE , BOTTOM	KUA1A136
22	9A06315500	FOOT	KKL1A047ZK63
23	9A06229300	CUSHION , FOOT	KHG1A039Z
24	9A07241200	PANEL , REAR [E]	KKF4A126SK59
	9A07386700	PANEL , REAR [J]	KKF3A126SK59
25	9A07241000	CABINET , TOP	KKC4B077S21
26	△ 9A01376900	BUSHING,AC CORD HEYCO(SR-	KHR129
27	△ 9A06326200	TRANS , TOROIDAL [E]	KLT5Z002ZE
	△ 9A06232000	TRANS , TOROIDAL [J]	KLT5Z002ZJ
28		AMP PCB	
29		MAIN PCB	
30		TRANS PCB	
31		SPEAKER PCB	
32		SUB PCB(A)	
33		SUB PCB(B)	
34	9A06237000	VOLUME, MOTOR RK6312MC282	KVV9A08A503Z
35	9A01397400	SCREW KTS3+8J	KTS3+8J
36	9A06229000	SCREW , SPECIAL	KHD1A016
37	9A01535800	SCREW,KTB3+8J	KTB3+8J
38	9A01532600	SCREW KTB3+6J	KTB3+6J
39	9A01377400	SCREW,KTB3+10G	KTB3+10G
40	9A05338500	SCREW KTB3+16J	KTB3+16J
41	9A05984300	SCREW KTB4+6FFZ	KTB4+6FFZ
42	9A05338800	SCREW KTB4+6F	KTB4+6F
43	9A05339200	SCREW KTW3+8J	KTW3+8J
44	9A06234700	SCREW KTW3+6F	KTW3+6F
45	9A05985100	SCREW KTW3+10G	KTW3+10G
46	9A01377300	SCREW,KTB3+10GFZ	KTB3+10GFZ
47	9A01377600	SCREW,KTWS3+10G	KTWS3+10G
48	9A01377200	SCREW KTB3+8JFZ	KTB3+8JFZ
49		VACANT	
50	9A06319600	BRACKET	KMD1A339
51	9A06229600	RUBBER , PCB	KHG1A139
52	9A06229400	RUBBER , MECHA	KHG1A115
53	9A06321100	RUBBER , TRANS	KHG1A144
54	9A05917200	GROUND TERMINAL	KMA2A001
	△ 9A06320300	FUSE,2C2000TLE [E]	KBA2C2000TLE
	△ 9A06225800	FUSE,2C2000TLJ [J]	KBA2C4000TLJ
	△ 9A05892200	CORD,POWER [E]	KJA2B010Y
	△ 9A06230100	CORD, AC [J]	KJA2J025Z

## INCLUDED ACCESSORIES

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	9A07124500	OWNER'S/MANUAL, E/F/G/I/S [E]	KQX1A480Z
	9A07125500	OWNER'S/MANUAL, J [J]	KQX1A489Z
	9A07364020	REMOCON XMTR ASSY (RC-711) [E]	KARTAH500IEUR
	9A06225710	REMOCON XMTR ASSY (RC-710) [J]	KARTAH500IDM

## ■ Resistor and Capacitor

- Notes :
- Part numbers are indicated for most mechanical parts.  
Please use this part number for parts order.
  - **IMPORTANT SAFETY NOTICE.**  
Components identified by  $\triangle$  mark have special characteristics important for safety.  
When replacing any of these components, use only manufacture's specified parts.
  - The unit of resistance is OHM(  $\Omega$  )  
K=1000(  $\Omega$  ), M=1000(K  $\Omega$  )
  - The unit of capacitance is MICROFARAD( $\mu$ F).
  - P=10<sup>-6</sup> $\mu$ F

### ■ Numbering System of Resistor

Example

KRD	25	F	J	101
Type	Wattage	Shape	Tolerance	Value

Resistor Type	Wattage	Tolerance
KRD:Carbon	20:1/5W	F:= $\pm$ 1%
KRG:Metal Oxide	25:1/4W	J:= $\pm$ 5%
	50:1/2W	K:= $\pm$ 10%
	1:1W	
KRF:Metal Cement	2:2W	
	3:3W	

### ■ Numbering System of Capacitor

Example

KCKT	1H	101	K	B
Type	Voltage	Value	Tolerance	Peculiarity

Capacitor Type	Voltage		Tolerance
	ECEA Type	Other	
KCB: Ceramic	OJ:6.3V	1H:50V DC	C: $\pm$ 0.25pF
KCC: Ceramic	1A:10V	1:125V DC	G: $\pm$ 2%
KCK: Ceramic	1C:16V	KC:400V AC	J: $\pm$ 5%
KCFR: Semiconductor	1E:25V		K: $\pm$ 10%
KCQI: Polyester	1H:50V		Z: +80%, -20%
KCQP: Polypropylene	1V:35V		
KCQS: Polystyrol			

## MAIN PCB ASS'Y

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	9A06232700	MAIN PCB ASS'Y [J]	KOP10985C
	9A07365620	MAIN PCB ASS'Y [E]	KOP10985F
	9A06235300	PCB , MAIN [J]	KUP10985Z
	9A07365800	PCB , MAIN [E]	KUP10985Y
C907.908	△ 9A06227100	CAP , ELECT	KCET1HAH222N
C919.920	△ 9A06227000	CAP , ELECT	KCEA1VH102E
D102	9A01390600	DIODE,1N4148T	KVD1N4148T
D201-208	9A01390500	DIODE,1N4148MT	KVD1N4148MT
D601	9A01390500	DIODE,1N4148MT	KVD1N4148MT
D602	9A05194600	DIODE,1N4003SRT	KVD1N4003SRT
D604	△ 9A06236200	DIODE,ZENER MTZJ6.2BT	KVDMTZJ6.2BT
D901-910	△ 9A05902200	DIODE,ZENER,30V	KVDUZ30BMT
D911.912	△ 9A06236400	DIODE , ZENER UZ18BMT	KVDUZ18BMT
D913.914	9A05194600	DIODE,1N4003SRT	KVD1N4003SRT
D915	△ 9A06236100	DIODE , ZENER MTZJ4.7BT	KVDMTZJ4.7BT
D916	△ 9A05359600	DIODE,ZENER MTZJ12BT	KVDMTZJ12BT
D917	9A01390500	DIODE,1N4148MT	KVD1N4148MT
D918	9A05194600	DIODE,1N4003SRT	KVD1N4003SRT
D919	△ 9A06236200	DIODE,ZENER MTZJ6.2BT	KVDMTZJ6.2BT
F602	9A05328200	HOLDER,FUSE KJCF5S [E]	KJCF5S
F603	9A05328200	HOLDER,FUSE KJCF5S [J]	KJCF5S
IC11	9A05195800	IC,MC4558S	KVIMC4558S
IC12.13	9A05971200	IC,LC4966	BVILC4966
IC16	9A05971200	IC,LC4966	BVILC4966
JK11.12	9A06230400	TERMINAL , IN/OUT (G)	KJJ4R011Z
JK13	9A06326400	TERMINAL , IN/OUT	KJJ4P016Z
JK91	9A06230200	JACK , REMOTE(2P) [J]	KJJ4N023Z
KJ61	9A06230200	JACK , REMOTE(2P) [E]	KJJ4N023Z
OL63	9A062243-00	OUTLET CCT1304-0211 [J]	BJJ7A005Z
Q101	9A03811700	TR,KSD1021-YTA	KVTKSD1021YT
Q102-105	9A05896000	TR,KTC2878B	KVTKTC2878BT
Q201-204	9A06236600	TR,KTA1268GRT	KVTKTA1268GRT
Q205.206	9A06236700	TR,KTC3200GRT	KVTKTC3200GRT
Q207.208	9A05895900	TR,KTA1266YT	KVTKTA1266YT
Q209.210	9A05892800	TR,KTC3198YT	KVTKTC3198YT
Q211.212	△ 9A06225500	T.R 2SC2911S	BVT2SC2911S
Q213.214	△ 9A06225300	T.R 2SA1209S	BVT2SA1209S
Q215	9A03811700	TR,KSD1021-YTA	KVTKSD1021YT
Q601	9A03811700	TR,KSD1021-YTA	KVTKSD1021YT
Q602	9A05196800	TR,KSC2316-Y-SHTA	KVTKSC2316YT
Q901	9A05196800	TR,KSC2316-Y-SHTA	KVTKSC2316YT
Q902	9A05196700	TR,KSA916-Y-SHTA	KVTKSA916YT
Q903	9A05196800	TR,KSC2316-Y-SHTA	KVTKSC2316YT
Q904	9A05196700	TR,KSA916-Y-SHTA	KVTKSA916YT
Q905	9A05196800	TR,KSC2316-Y-SHTA	KVTKSC2316YT
Q906	△ 9A01388300	TR,KSD288-Y-AB	KVTKSD288Y
Q907	9A03811700	TR,KSD1021-YTA	KVTKSD1021YT
Q908	9A05196800	TR,KSC2316-Y-SHTA	KVTKSC2316YT
R905-908	△ 9A05897200	RES,FUSE 0.47-OHM,1W	KRQ1CJR47
R914	△ 9A05896400	R,4.7-OHM,1W	KRG1ANJ4R7H
R921	△ 9A05896400	R,4.7-OHM,1W	KRG1ANJ4R7H
RL91	△ 9A05987100	RELAY HR-CR7-DC12V [J]	KSL1A007ZE
RY11.21	△ 9A06224500	RELAY G5V-2-DC12V	BSL4A006ZU
RY62	△ 9A05987100	RELAY HR-CR7-DC12V [E]	KSL1A007ZE
T601	△ 9A06326700	TRANS.POWER [E]	KLT5J020ZE
T901	△ 9A06231900	TRANS.POWER [J]	KLT5J020ZJ
WP61.62	9A06012400	TERMINAL,LUG	KJT1A023C8

## SUB PCB ASS'Y

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	9A06232610	SUB PCB ASS'Y [E]	KOP10984D
	9A06232600	SUB PCB ASS'Y [J]	KOP10984C
	9A06235200	PCB , SUB	KUP10984Z
CN31	9A05894700	WAFER(5P)	KJP05GA01ZM
CN41	9A05329100	WAFER MOLEX 5267-03A	KJP03GA01ZM
D301	9A01390500	DIODE,1N4148MT	KVD1N4148MT
D701-707	9A05890300	LED,YELLOW SLR342YCF02	KVD342YCF02T085
D708	9A05195000	LED,RED SLR342VCF02	KVD342VCF02T085
D709-713	9A01390500	DIODE,1N4148MT	KVD1N4148MT
IC31.32	9A05195800	IC,MC4558S	KVIMC4558S
IC71	9A05834700	SENSOR REMOTE	KRVSR5SP
IC72	9A06862000	I.C ANAM1224A	BVIANAM1224A
JK31	9A05316900	JACK HTJ064-05BG	BJJ2E017Z
Q301	9A03811700	TR,KSD1021-YTA	KVTKSD1021YT
Q701-706	9A03745200	TR,KSR2206TA	KVTKSR2206T
Q707-712	9A05196900	TR,KSR1206TA	KVTKSR1206T
Q713-718	9A03745200	TR,KSR2206TA	KVTKSR2206T
Q721.722	9A03745200	TR,KSR2206TA	KVTKSR2206T
Q723-726	9A05196900	TR,KSR1206TA	KVTKSR1206T
Q727.728	9A03745200	TR,KSR2206TA	KVTKSR2206T
Q730-734	9A03745200	TR,KSR2206TA	KVTKSR2206T
Q735	9A05196900	TR,KSR1206TA	KVTKSR1206T
Q738.739	9A03811700	TR,KSD1021-YTA	KVTKSD1021YT
Q740.741	9A03747300	TR,KSB811-YTA	KVTKSB811YT
Q742-744	9A05196900	TR,KSR1206TA	KVTKSR1206T
Q745-747	9A03745200	TR,KSR2206TA	KVTKSR2206T
R330.331	△ 9A05338200	R,METAL OXIDE FILM 1W 390	KRG1ANJ391H
RY31	9A06224600	RELAY G5Z-2A-DC12V	BSL4A008ZE
S701.702	9A04882500	SW,TACT SKHV10910A	KST1A012ZT
SW71	9A06326800	SW ROTARY SRBV14065A	BSR4A003Z
SW72	9A06224700	VR , ENCODOR EC16B1210	BSR2A006Z
VR31-33	9A07240500	RES , VARIABLE [E]	BVV2W02B503Z
VR31-33	9A06236900	RES , VARIABLE [J]	KVV2W02B503Z
VR41	9A06237000	VOLUME, MOTOR RK6312MC282	KVV9A08A503Z
X701	9A05192900	CRYSTAL,	KOX04194E120C

## POWER PCB ASS'Y

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	9A07241700	POWER PCB ASS'Y	KOP11205D
	9A07242200	PCB, POWER	KUP11205Z
	9A06699800	SW, PUSH JRA1202F [E]	KSH1A005ZV
D501-504	9A06236300	DIODE, ZENER UZP20BM	KVDU2P20BM
D505-520	9A01390500	DIODE, 1N4148MT	KVD1N4148MT
D801.802	9A06224900	DIODE, BRIDGE PBU604F	BVDPBU604F
JK51.52	9A06230500	TETMINAL, SPEAKER	KJJ5N003Z
L501.502	9A04875100	COIL,	KLEYK1R8KA
Q501.502	9A05896000	TR,KTC2878B	KVTKTC2878BT
Q505.506	9A07240400	F.E.T, DUAL	BVT2N5566
Q509-512	9A05892800	TR,KTC3198YT	KVTKTC3198YT
Q513.514	9A05895900	TR,KTA1266YT	KVTKTA1266YT
Q515.516	9A05892800	TR,KTC3198YT	KVTKTA1266YT
Q517.518	9A05196700	TR,KSA916-Y-SHTA	KVTKSA916YT
Q519.520	9A05196800	TR,KSC2316-Y-SHTA	KVTKSC2316YT
Q521.522	9A05977200	TR,,2SD1585	BVT2SD1585L
Q523.524	9A05977600	TR,,2SC4883A	BVT2SC4883A
Q525.526	9A05977500	TR,,2SA1859A	BVT2SA1859A
Q527	△ 9A06676200	TR,POWER 2SC4467	BVT2SC4467
Q528	△ 9A06676200	TR,POWER 2SC4467	BVT2SC4467
Q529	△ 9A06676100	TR,POWER 2SA1694	BVT2SA1694
Q530	△ 9A06676100	TR,POWER 2SA1694	BVT2SA1694
Q531	△ 9A06676200	TR,POWER 2SC4467	BVT2SC4467
Q532	△ 9A06676200	TR,POWER 2SC4467	BVT2SC4467
Q533	△ 9A06676100	TR,POWER 2SA1694	BVT2SA1694
Q534	△ 9A06676100	TR,POWER 2SA1694	BVT2SA1694
Q535.536	△ 9A05892800	TR,KTC3198YT	KVTKTA1266YT
Q537.538	9A05197000	TR,KSR1210TA	KVTKSR1210T
Q539.540	9A05196900	TR,KSR1206TA	KVTKSR1206T
Q543.544	9A03747300	TR,KSB811-YTA	KVTKSB811YT
Q545.546	9A05196900	TR,KSR1206TA	KVTKSR1206T
R525.526	△ 9A06234500	RES, METAL OXIDE FILM	KRG1ANJ152H
R551.552	△ 9A06234600	RES, METAL OXIDE FILM	KRG1ANJ181H
R561-568	△ 9A05896300	R,,0.22-OHM,5W	KRF5EKR22H
R577.578	△ 9A05896400	R,,4.7-OHM,1W	KRG1ANJ4R7H
R579.580	△ 9A05338000	R,METAL OXIDE FILM 1W 10	KRG1ANJ100H
RY51.52	△ 9A06224600	RELAY G5Z-2A-DC12V	BSL4A008ZE
SW63	△ 9A07366300	POWER SWITCH ASS'Y [E]	KWZAH500ISW63
T801.802	9A06227300	PIN, G.T	KEL314P
TH51	9A06224400	POSISTOR PTH9M04BC471TS	BRTPTH9M04BC471
TH52	9A06224400	POSISTOR PTH9M04BC471TS	BRTPTH9M04BC471
VR53.54	9A07240300	RES, SEMI FIXED	BVNCC471B01